

Claims

1. Communication device,
  - with a device for determining an application environment, which has been set up for determining an application environment, in which the communication device has been used,
  - with a communication interface which has been set up for communication with at least one other communication device,
  - with a security configuration memory in which a plurality of different security configurations with regard to the operation of the communication device has been stored,
  - with a device for determining a security configuration, which has been set up in such a way that by using the determined application environment, a security configuration associated with this location or this application environment is determined from a number of security configurations,
  - with a device for setting a security configuration, which has been set up for setting the security configuration of the communication device in accordance with the security configuration determined by the device for determining a security configuration.
2. Communication device according to claim 1 set up as a mobile communication device.
3. Communication device according to claim 2, set up at least as one of the following communication devices:
  - a mobile radiotelephone;
  - a cordless telephone;
  - a personal digital assistant;
  - a pager; and/or
  - a portable computer.

4. Communication device according to one of the claims 1 to 3, in which the communication interface has been set up

- as a communication interface for the communication with a Personal Computer (PC);
- as a modem communication interface;
- as an ISDN adapter communication interface; and/or as a LAN adapter communication interface.

5. Communication device according to one of the claims 1 to 3, in which the communication interface has been set up as a radio communication interface.

6. Communication device according to claim 5, in which the communication interface is set up as

- a wireless LAN communication interface;
- a cordless communication interface; and/or
- a mobile radio communication interface.

7. Communication device according to one of the claims 1 to 6, with an allocation table memory, in which an allocation table has been stored, in which in the allocation table, at least one security configuration has been allocated to an application environment in each case.

8. Communication device according to one of the claims 1 to 7, in which the device for determining an application environment has a device for recording an application environment, which has been set up for the automatic recording and determining of the application environment of the communication device.

9. Communication device according to claim 8, in which the device for recording an application environment has been set up for recording one communication method or a plurality of communication methods used by the communication device and/or for recording one security mechanism or a

plurality of security measures used by the communication device within the framework of a communication.

10. Communication device according to claim 9, in which the device for recording an application environment has been set up for recording one security mechanism or a plurality of security mechanisms used by the communication device within the framework of a communication, in which case at least one of the following security mechanisms is taken into account:

- an authentication method;
- an identification information for identifying a communication device or a subscriber;
- a code exchange method for exchanging cryptographic codes;
- a cryptographic code used within the framework of communication; and/or information elements used within the framework of the communication.

11. Communication device according to one of the claims 1 to 10,

in which the device for recording an application environment can be set up in such a way that at least one of the following application environments can be taken into account:

- a company's own communication network;
- a foreign communication network;
- the home communication network of a user;
- the home communication network of a third party;
- the public communication network; and/or
- an ad-hoc communication network.

12. Communication device according to one of the claims 1 to 11,

in which information about at least one part of the following

aspects is contained in a security configuration:

- Information about one communication protocol or a plurality of communication protocols, which can be used by the communication device;
- Information about one target communication device or a plurality of the target communication devices, which can be reached by the communication device;
- Information about computer programs or computer program functions, which can be run or called up from the communication device;
- Information about security methods to be used by the communication device within the framework of the communication;
- Information about data, which can be accessed by the communication device;
- Information about the communication methods, which can be used at the same time by the communication device;
- Information about the security methods permitted, prohibited and/or required for the communication device.

13. Method for setting a security configuration of a communication device,

- in which an application environment is determined, in which the communication device has been used,
- in which from a plurality of different security configurations with regard to the operation of the communication device stored in a security configuration memory of the communication device, an associated security configuration is determined by using the determined application environment,
- in which the communication device is set in accordance with the determined security configuration.